

POWER OF ATTORNEY BY ASSIGNEE TO EXCLUSION OF INVENTOR **UNDER 37 C.F.R. § 3.71 WITH REVOCATION OF PRIOR POWERS**

ASSIGNEE of the entire interest in:

U.S. Patent No.

U.S. application no. <u>09/960,623</u>, filed on <u>September 20, 2001</u>

hereby appoints the following attorneys of Wilson Sonsini Goodrich & Rosati:

Attorney Name	Reg. No.	Attorney Name	Reg. No.
Paul Davis	29,294	David J. Weitz	38,362
Ofer Matalon	39,439	U.P. Peter Eng	39,666
David J. Abraham	39.554	George Willman	41,378
Kenta Suzue	45,145	Shirley Chen	44,608
John Gilmore	46,375	Jonathan T. Manson	43,774
Keith Witek	37,475		,

and all Wilson Sonsini Goodrich & Rosati attorneys registered to practice before the United States Patent and Trademark Office, to prosecute this application and transact all business in the United States Patent and Trademark Office in connection therewith and hereby revokes all prior powers of attorney; said appointment to be to the exclusion of the inventors and the inventors' attorneys in accordance with the provisions of 37 C.F.R. § 3.71.

The following evidentiary documents establish a chain of title from the original owner to the Assignee:

(complete one of the following)

⊠	a copy of an Assignment attached hereto, which Assignment has been (or is herewith) forwarded to the Patent and Trademark Office for recording; or
	the Assignment recorded on at reel, frames
	C.F.R. § 3.73(b) the undersigned Assignee hereby states that evidentiary documents have been reviewed and that, to the best of ASSIGNEE's knowledge and belief, title is in the identified ASSIGNEE.

Direct all correspondence and telephone calls to:

Name	Kenta Suzue					
Address	Wilson Sonsini Goodrich and Rosati					
Address	650 Page Mill Road					
City	Palo Alto	State	CA	Zip	94304	Customer No.: 021971
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ASSIGNEE: RouteScience Technologies, Inc.

Name: 11/12/01

PTO/SB/15 (8-96)

Approved for use through 9/30/98. OMB 0651-0027

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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1. BALDONADO, Omar C. Palo Alto, CA 2. FINN, Scan P. Belmont, CA 3. KARAM, J. Mansour Mountain View, CA 4. Lloyd Michael A. San Carlos, CA 5. MADAN, Herbert S. 6. McGUIRE, James G. San Francisco, CA Palo Alto, CA hereinafler termed "Inventors", have invented certain new and useful improvements in METHOD AND APPARATUS FOR COORDINATING ROUTING PARAMETERS VIA A BACK-CHANNEL COMMUNICATION MEDIUM To which an application for United States Patent was filed on September 20, 2001, Application No. 09/960,623 for which an application for United States Patent was filed on September 20, 2001, Application No. 09/960,623 WHEREAS, RouteScience Technologies, Inc., having a place of business at 167 2 nd Avenue, San Mateo, CA 94401, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventor disclosed therein, and in and to all granted in the United States and foreign countries. NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee: 1. Said Inventors do hereby sell. assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention prusuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications: and (d) in and to each and every reissue or extensions of any of said patents. 2. Said Inventors hereby jointly and seve	A	Docket Number 24717-708					
Palo Allo, CA Belmont, CA Belmont, CA San Francisco, CA 7. VILLAVERDE, Jose-Miguel P. Palo Allo, CA hereinafter termed "Inventors", have invented certain new and useful improvements in METHOD AND APPARATUS FOR COORDINATING ROUTING FARAMETERS VIA A BACK-CHANNEL COMMUNICATION NEDIUM METHOD AND APPARATUS FOR COORDINATING ROUTING FARAMETERS VIA A BACK-CHANNEL COMMUNICATION NEDIUM METHOD AND APPARATUS FOR COORDINATING ROUTING FARAMETERS VIA A BACK-CHANNEL COMMUNICATION NEDIUM WHEREAS, RouteScience Technologies, Inc., having a place of business at 1672 Th Avenue. San Mateo. CA 04401, (hereinafter termed "Assignee"), is desirous of sequining the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries. NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee: 1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise, (c) in and to any and all applications filed and any and all patents granted on any application which is a divisional, substitution, continuation, or continuation—in-part of any of said applications; and doly in and to each and every reissue or extensions of any of said applications, and doly assignee to employ to the fullest exorted the right, with an all interests therein conveyed in the United States and foreign continuits. Such cooperation which is a divisional covern pairs and inventions, and the representatives and foreign continuits. Such cooperation which is a divisio	Whereas, the undersigned:	- 		7			
Thurn, CA San Francisco, CA Mercinafter termed "Inventors", have invented certain new and useful improvements in METHOD AND APPARATUS FOR COORDINATING ROUTING PARAMETERS VIA A BACK-CHANNEL, COMMUNICATION MEDIUM for which an application for United States Patent was filed on September 20, 2001, Application No. 09/960,623 for which an application for a United States Patent was executed on and WHEREAS, RouteScience Technologies, Inc., having a place of business at 167.2" Avenue, San Mateo, CA 94401, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all medodiments of the invention, breight entering the termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries. NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee: 1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the the provided of the said invention, or continuation, or continuations, or oversition and documents, giving of testimony, execution of petitions, oaths, specifications, decirations or only propriety proceedings involving said inventions and documents, giving of testimony, execution of petition	·						
METHOD AND APPARATUS FOR COORDINATING ROUTING PARAMETERS VIA A BACK-CHANNEL COMMUNICATION MEDIUM for which an application for Junited States Patent was filed on September 20, 2001, Application No. 09/960.623 for which an application for a United States Patent was executed on and	5. MADAN, Herbert S. Tiburon, CA		liguel P.				
PARAMETERS VIA A BACK-CHANNEL COMMUNICATION MEDIUM ☐ for which an application for United States Patent was filed on September 20, 2001, Application No. 09/960.623 ☐ for which an application for a United States Patent was executed on and WHEREAS, RouteScience Technologies, Inc., having a place of business at 167 2 ^{md} Avenue, San Mateo, CA 94401, (hereinafter termed "Assigner"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all valuable of the control of	hereinafter termed "Inventors",	nave invented certain new and useful in	nprovements in				
WHERAS, RouteScience Technologies, Inc., having a place of business at 167.2 nd Avenue, San Mateo, C.A. 94401, (hereinafter termed "Assignee") is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patients, inventor's certificates and other forms of protection (hereinafter termed "patients") thereon granted in the United States and foreign countries. NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee: 1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patients on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all patients filled and any and all patient don said invention in the United States or any foreign country, including each and every applications; filled and any and all patients and including the said Assignee of the United States and foreign country, including each and every applications; and (d) in and to each and every reissue or extensions of any of said apatients. 2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to other papers, and other assistance all to the extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by and Inventors shall include prompt production of pertinent faces and documents, giving of testimony, execution of pe							
"Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries. NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee. 1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to all rights to apply for foreign patents on said invention to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to all rights to apply for foreign patents on said invention to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to all rights to apply for foreign patents on said invention to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to all rights to apply for foreign patents on said invention in the United States on any foreign country, including each and every application filled and each and every patent and any and all applications; and (d) in and to each and every reissue or extensions of any of said patents. 2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of pertinent, such as a said assignment, and the property production of pertinent facts and documents, giving of testimony				elication No. <u>09/960,623</u>			
1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to all application and said invention. (b) in and to all rights to apply for foreign patients on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise, (c) in and to any and all applications filed and any and all applications filed and any and all applications filed and each and every patient granted on said invention in the United States or any foreign country, including each and every application filed and each and every patient granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every preisuse or extensions of any of said patients. 2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; (a) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; (a) for filing and prosecuting sind invention and any applications therefor and any applications covering said invention; (d) for filing and prosecuting said invention and any applications coverin	embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon						
application and said invention: (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise: (c) in and to any and all applications filed and any and all aptents granted on said invention in the United States or any foreign country, including each and every application filed and any advantage and a state of the United States or any foreign country, including each and every applications; and (d) in and to each and every reissue or extensions of any of said applications, and (d) in and to each and every reissue or extensions of any of said applications, and (d) in and to each and every reissue or extensions of any of said applications, and (d) in and to each and every reissue or extensions of any of said applications, and (d) in and to each and every reissue or extensions of any of said applications, and (d) in and to each and every reissue or extensions of any of said applications, and (d) in and to each and every reissue or extensions of any of said applications, and (d) in and to each and every reissue or extensions of any of said applications, and (d) in and to each and every reissue or extensions of any applications for eissues. 2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Inventors or other prompt production of pertinent facts and documents, giving of testimony, execution of petitions, coachs, specifications, or expectations of petitions, coachs, specifications, or expectations of petitions, oaths, specifications or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for prefecting in said Assignee to enable said inventions or established proportions, coefficients, in the petitions of coefficients or extensions. (a) for filling and prosecuting substitute, divisional, continuing or additio	· · · · · · · · · · · · · · · · · · ·	, in consideration of good and valuable	consideration acknowledged by	v said Inventors to have been received in full			
enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of pertitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for resisuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions: provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee. 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns. 4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith. Date:	application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a						
A. Said Inventors hereby jointly and severally warrant and representatives and assigns. 4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith. IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below: Date: 11/9/01	enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions: provided, however, that the expense incurred by said Inventors in						
assignment, contract, or understanding in conflict herewith. IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:	3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.						
Date: 11/9/01 Date: 11/9/01 Date: 11/9/01 Date: 11/9/01 Date: 11/12/01	4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.						
Date: 11/9/01 Date: 11/9/01 Date: 11/9/01 Mansour J. Karam Michael A. Lloyd Horbert S. Madan Date: 11/12/01 Date: 11/12/01 James G. McGuire Date: 11/12/07	IN WITNESS WHER	EOF, said Inventors have executed and	d delivered this instrument to sai	id Assignee as of the dates written below:			
Date: 11/9/01 Date: 11/9/01 Mansour J. Karam Michael A. Lloyd Michael A. Lloyd Horbert S. Madan Mansour J. Karam Michael A. Lloyd Horbert S. Madan James G. McGuire Date: 11/12/07	Date: $\frac{11/3/o_1}{}$			l			
Date: 11/9/01 Date: 11/12/01	Date: 11/9/07		Omar C Baldonado	+-			
Date: 11 12 01	Date: 11/2/3		Seen.P. Finn	(
Date: 11 12 01 Date: 11 12 01 Date: 11 12 01 James G. McGuire Date: 11 12 01	Date: 1/9/61		Mahsour J. Karam				
Date: 11 12 01 Date: 11 12 01 James G. McGuire (2)	11/12/0		Michael A. Lloyd	lua			
Date: 11/12/5) Jankes G. McGuire	11/12/01		Herbert S. Madan	Sus			
Date:	- 11/11/15		James G. McGuire	1 13/160			
	Date:		Jose-Miguel Pulido Viljaven	J			